

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION

5 Entitled : A DISK PROSTHESIS FOR CERVICAL VERTEBRAE

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ABSTRACT OF THE DISCLOSURE

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The invention relates to a disk prosthesis for cervical vertebrae, the prosthesis being of the type including:

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- a spherical cap formed on a first insert, while a spherical cup is formed on a second insert;

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- two inserts made of ceramic material, one of the inserts being mounted on a first plate while the other insert is mounted on a second plate in such a manner that the center of rotation of the joint is substantially centered relative to the edges of the plates;

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- a spherical cup possessing a contact surface area that is not less than that of the spherical cap and being connected via an annular molding to the base of the insert; and  
- a plate provided with the insert having the spherical cap includes an annular setback to leave clearance for the annular molding.